

FIG. 1

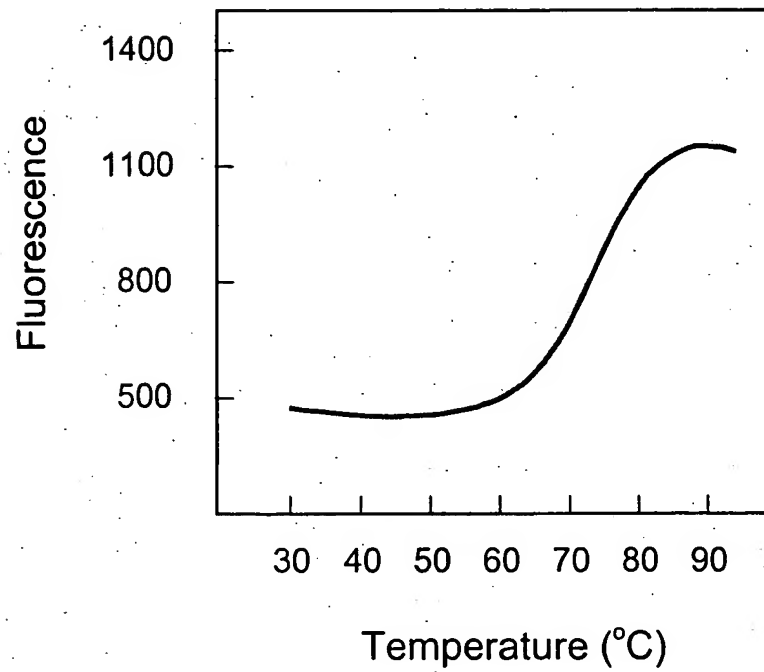


FIG. 2A

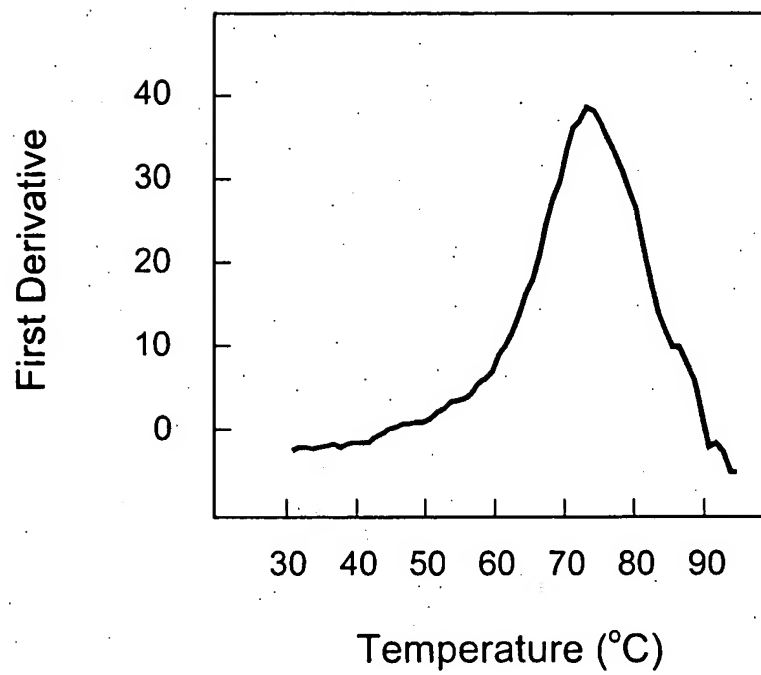


FIG. 2B

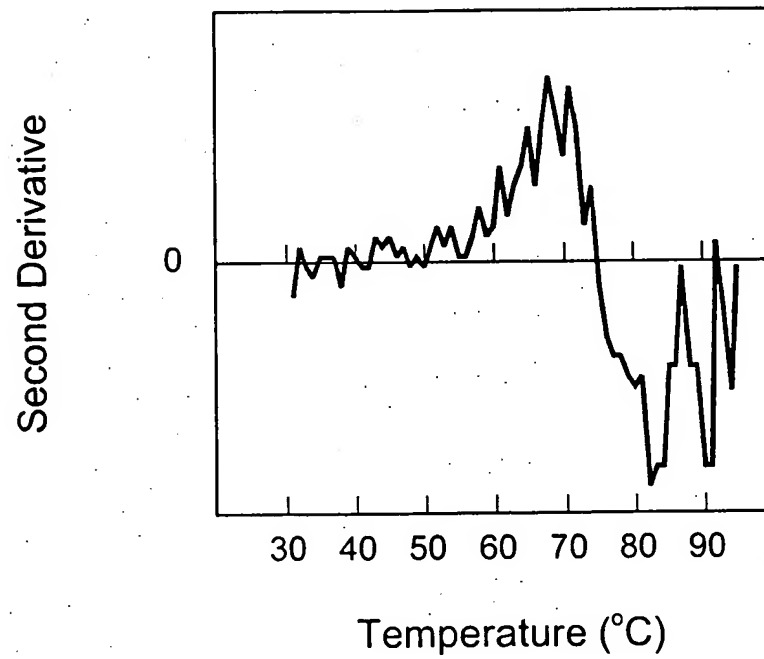


FIG. 2C

Sequence	Name	Fluorophore	Quencher	Actual Tm (°C)
CGCTCT CTCTCTGAGTCT AGAGCG	TM62	FAM	dabcyl	64
CGCCG TCTGTCTGAGTCT CGGCG	TM68	FAM	dabcyl	67.5
CGACCTGG CTGTCTGACT CCAGGTCG	TM74	FAM	dabcyl	73
CGGACGCG CTGTCTGAGTC CGCGTCCG	TM80	FAM	dabcyl	80
CCCCGCCC TATGTCTGAGTC GGGCGGGG	TM86	FAM	dabcyl	82

GGTG CTGTCTGAGTCT CACC	TM47	TET	dabcyl	50
ATGGG TGTCTGAGTCT CCCAT	TM60	TET	dabcyl	58.5
CGCTCG GTCTGTCTGAGTCTAT CGAGCG	TM72	TET	dabcyl	68
AGGACGCG CTGTCTGAGTC CGCGTCCT	TM85	TET	dabcyl	79
CCCCGCCCCG CTGTCTGAGTC CGGGCGGGG	TM90	TET	dabcyl	84.5
CGCCCCGCCCCG CTGTCTGAGTC CGGGCGGGCG	TM93	TET	dabcyl	88.5

ATGGG TGTCTGAGTCT CCCAT	TM60	A546	dabcyl	58
ATGGG TGTCTGAGTCT CCCAT	TM60.B	A546	BHQ2	66
CGACCTGG CTGTCTGACT CCAGGTCG	TM74	A546	dabcyl	74
CCCCGCCC TATGTCTGAGTC GGGCGGGG	TM86.C	A546	BHQ2	84
CCCCGCCCCG CTGTCTGAGTC CGGGCGGGG	TM90	A546	dabcyl	86

ATGGG TGTCTGAGTCT CCCAT	TM60	Texas red	dabcyl	64
CGCTCG GTCTGTCTGAGTCTAT CGAGCG	TM72	Texas red	dabcyl	75.5
AGGACGCG CTGTCTGAGTC CGCGTCCT	TM85	Texas red	dabcyl	84
CCCCGCCC TATGTCTGAGTC GGGCGGGG	TM86.A	Texas red	dabcyl	87
CGCCCCGCCCCG CTGTCTGAGTC CGGGCGGGCG	TM93	Texas red	dabcyl	91

ATGGG TGTCTGAGTCT CCCAT	TM60	TAMRA	dabcyl	59
CGACCTGG CTGTCTGACT CCAGGTCG	TM74	TAMRA	dabcyl	75
AGGACGCG CTGTCTGAGTC CGCGTCCT	TM85	TAMRA	dabcyl	81
CGCCCCGCCCCG CTGTCTGAGTC CGGGCGGGCG	TM93	TAMRA	dabcyl	91
CCCCGCCCCG CTGTCTGAGTC CGGGCGGGG	TM90	TAMRA	dabcyl	87

FIG. 3

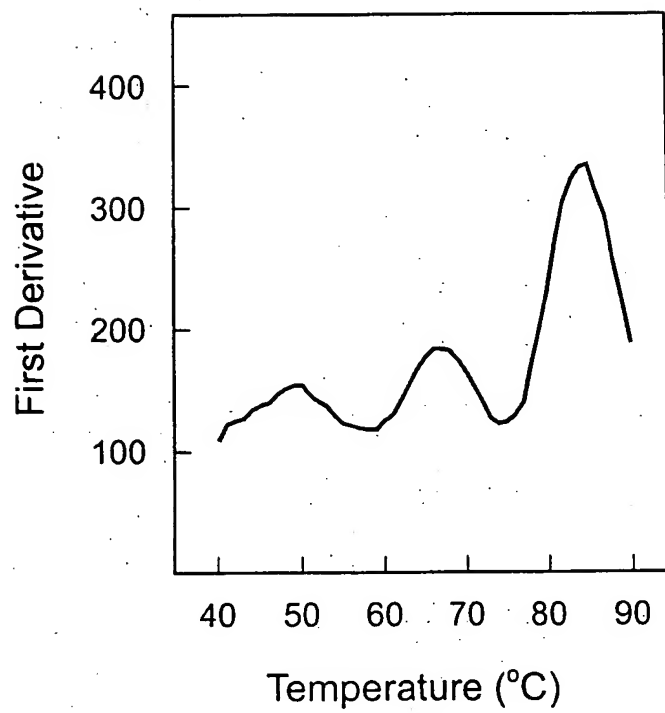


FIG. 4

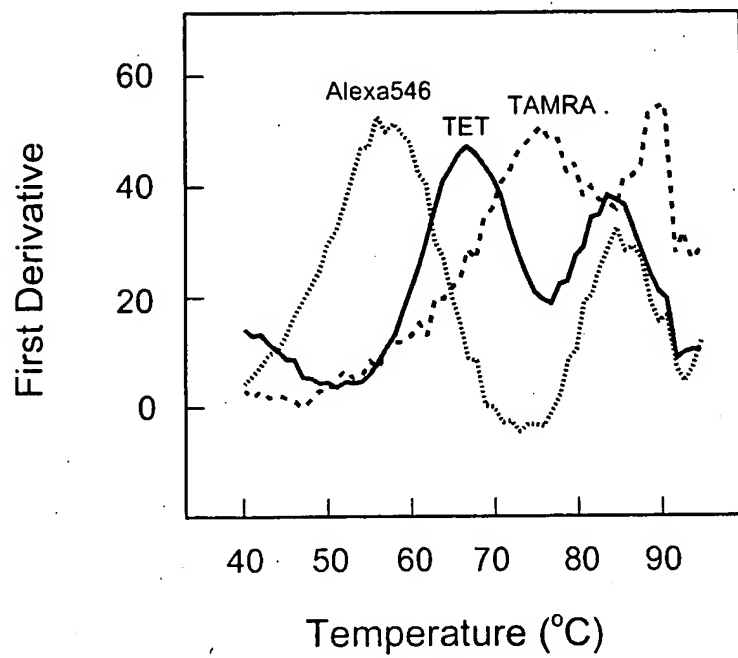


FIG. 5

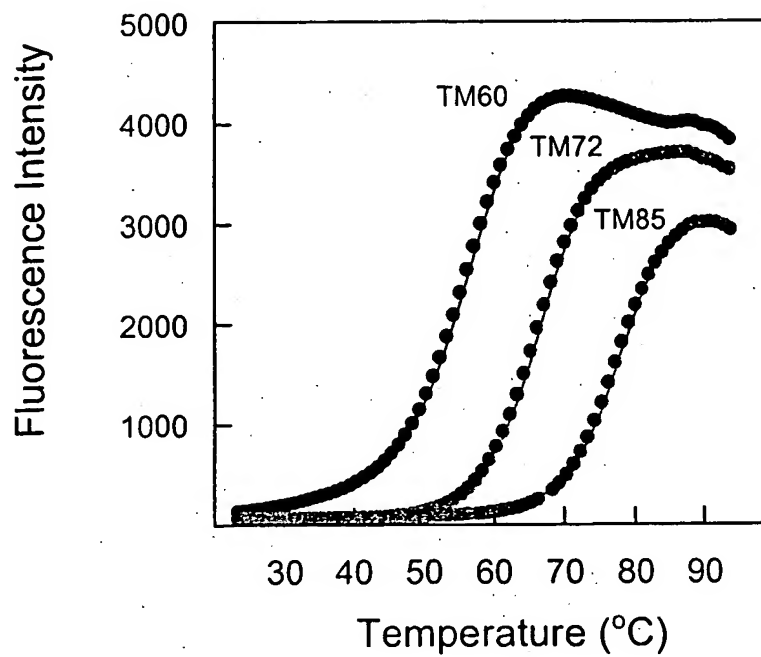


FIG. 6A

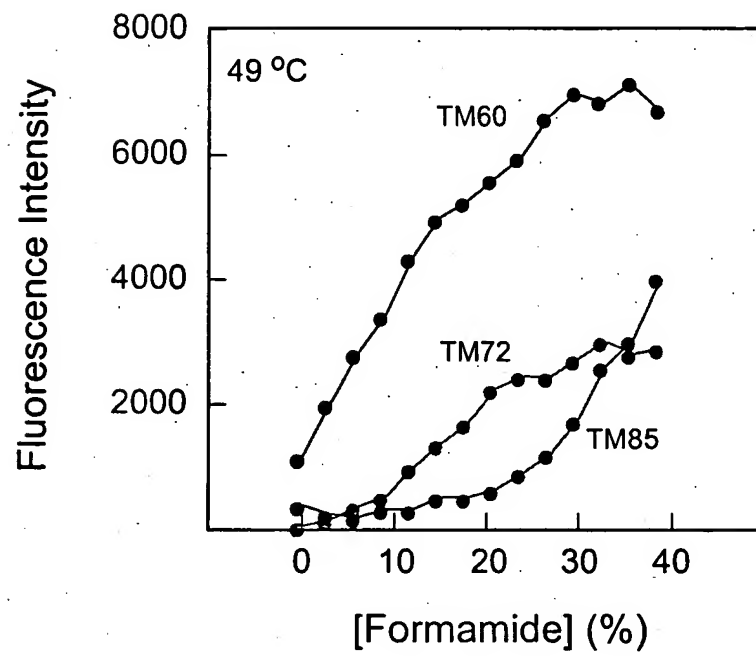


FIG. 6B

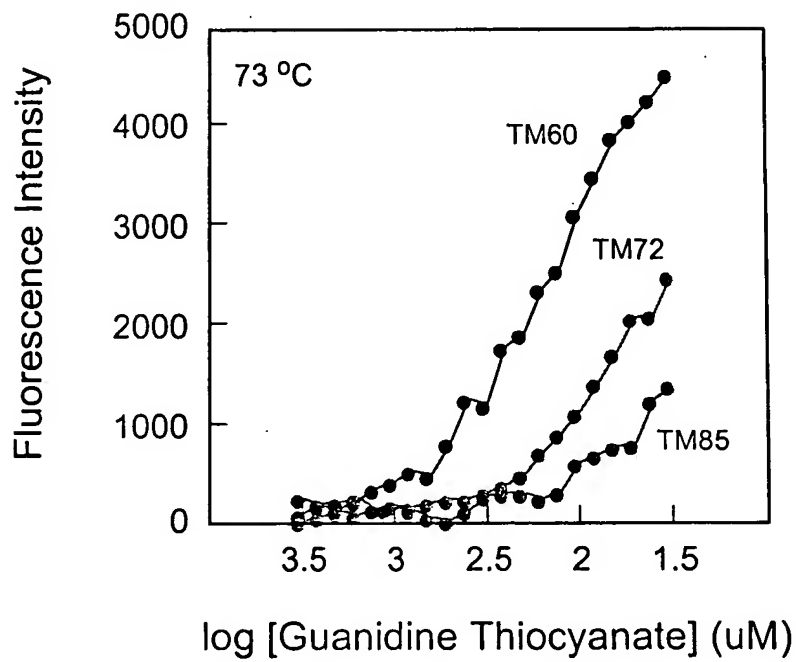


FIG. 6C